

**AMENDMENTS TO THE CLAIMS**

**This listing of claims will replace all prior versions and listings of claims in the application:**

**LISTING OF CLAIMS:**

1. (currently amended): An arc welder having: a rectifier circuit which rectifies an alternating current to a direct current; an inverter circuit which converts an output of said rectifier circuit to a high-frequency alternating current; a transformer which converts an output of said inverter circuit to a voltage suitable for arc welding; a second rectifier circuit which rectifies an output of said transformer to a direct current; and a first DC reactor which is connected to said second rectifier circuit, wherein

said arc welder comprises a current circuit which is connected in parallel to said second rectifier circuit with a reactance that is larger than a reactance of said first DC reactor,

~~wherein~~ a voltage that is applied to the current circuit from the transformer is higher than a voltage that is applied to the second rectifier circuit from the transformer, and

an output voltage of the current circuit is ~~always~~ higher than an output voltage of the second rectifier circuit, and

said current circuit comprises:

a current controlling circuit which controls a current that is outputted from said transformer,

a third rectifier circuit which rectifies said controlled current, and

a second DC reactor which is connected to said third rectifier circuit.

2. (currently amended): The arc welder according to claim 1, wherein said reactance of said first DC reactor is 20  $\mu\text{H}$  (microhenries) or smaller, and said reactance of said current circuit which is connected in parallel to said second rectifier circuit is 100  $\mu\text{H}$  or larger.

3. (canceled).